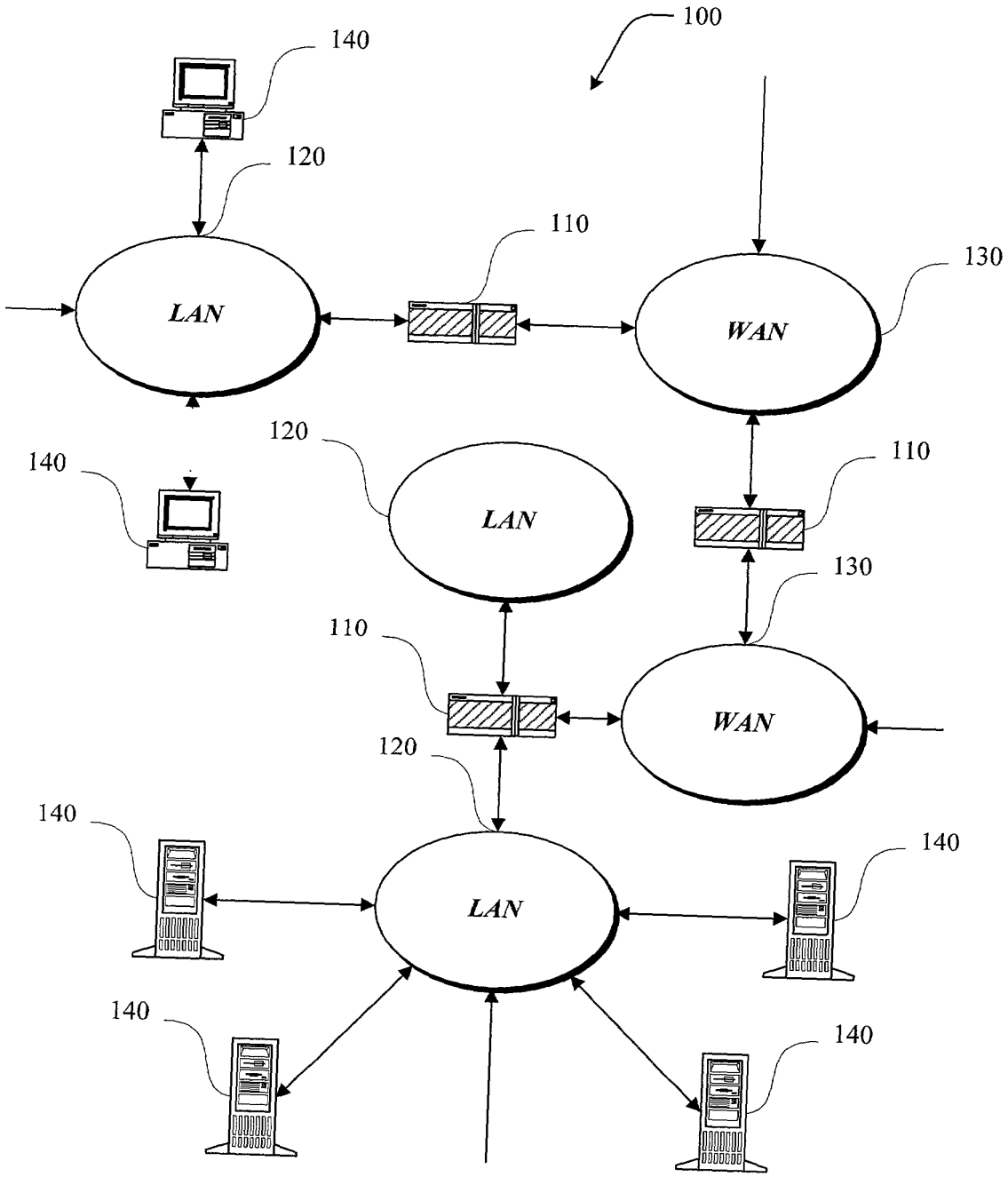

Fig.1. (Prior Art)

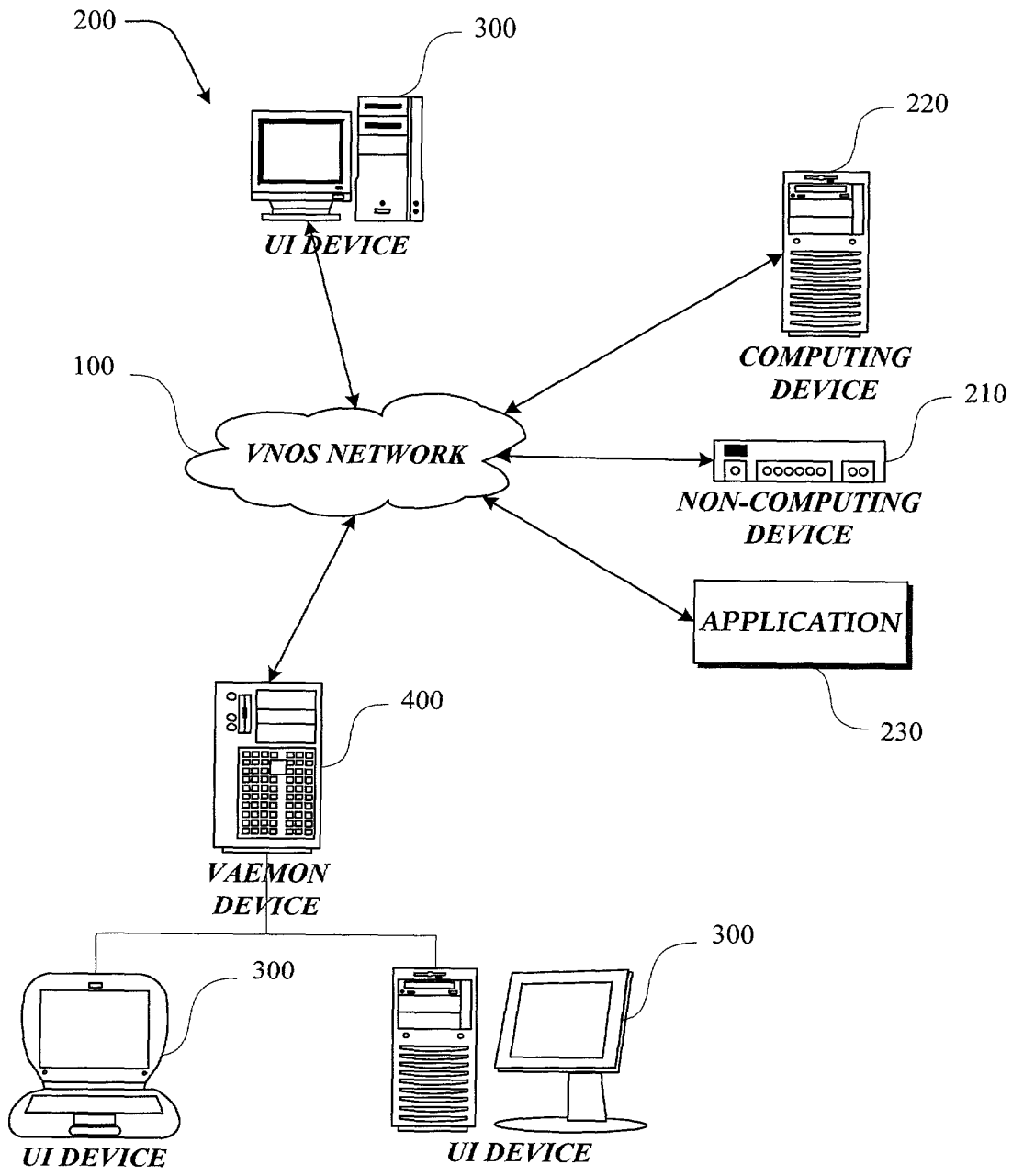
200
300
UI DEVICE
220
COMPUTING DEVICE
100
VNOS NETWORK
210
NON-COMPUTING DEVICE
APPLICATION
230
400
VAEMON DEVICE
300
UI DEVICE
300
UI DEVICE

Fig.2.

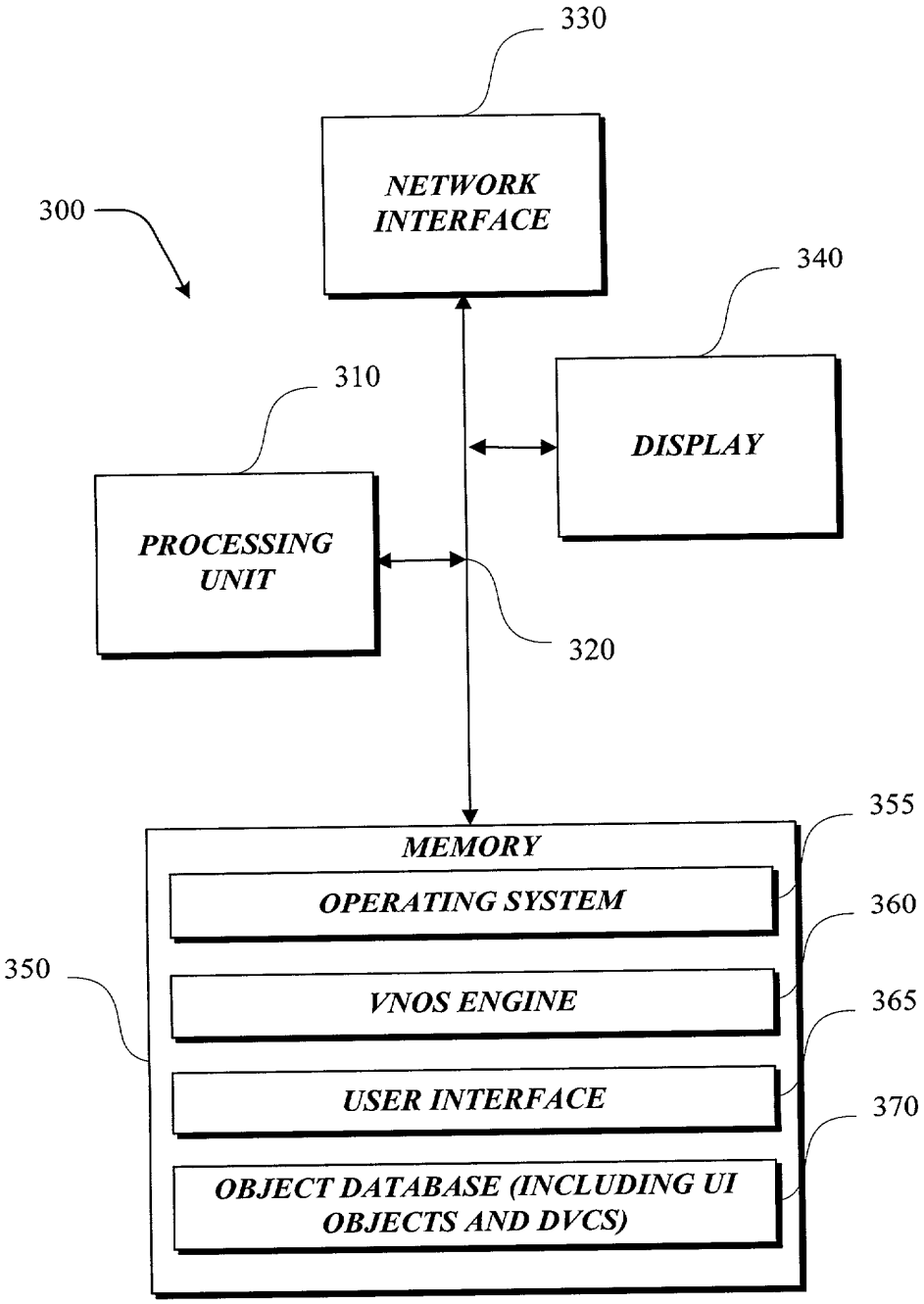
330
NETWORK INTERFACE
300
340
DISPLAY
310
PROCESSING UNIT
320
355
MEMORY
OPERATING SYSTEM
360
350
VNOS ENGINE
365
USER INTERFACE
370
OBJECT DATABASE (INCLUDING UI OBJECTS AND DVCS)

Fig.3.

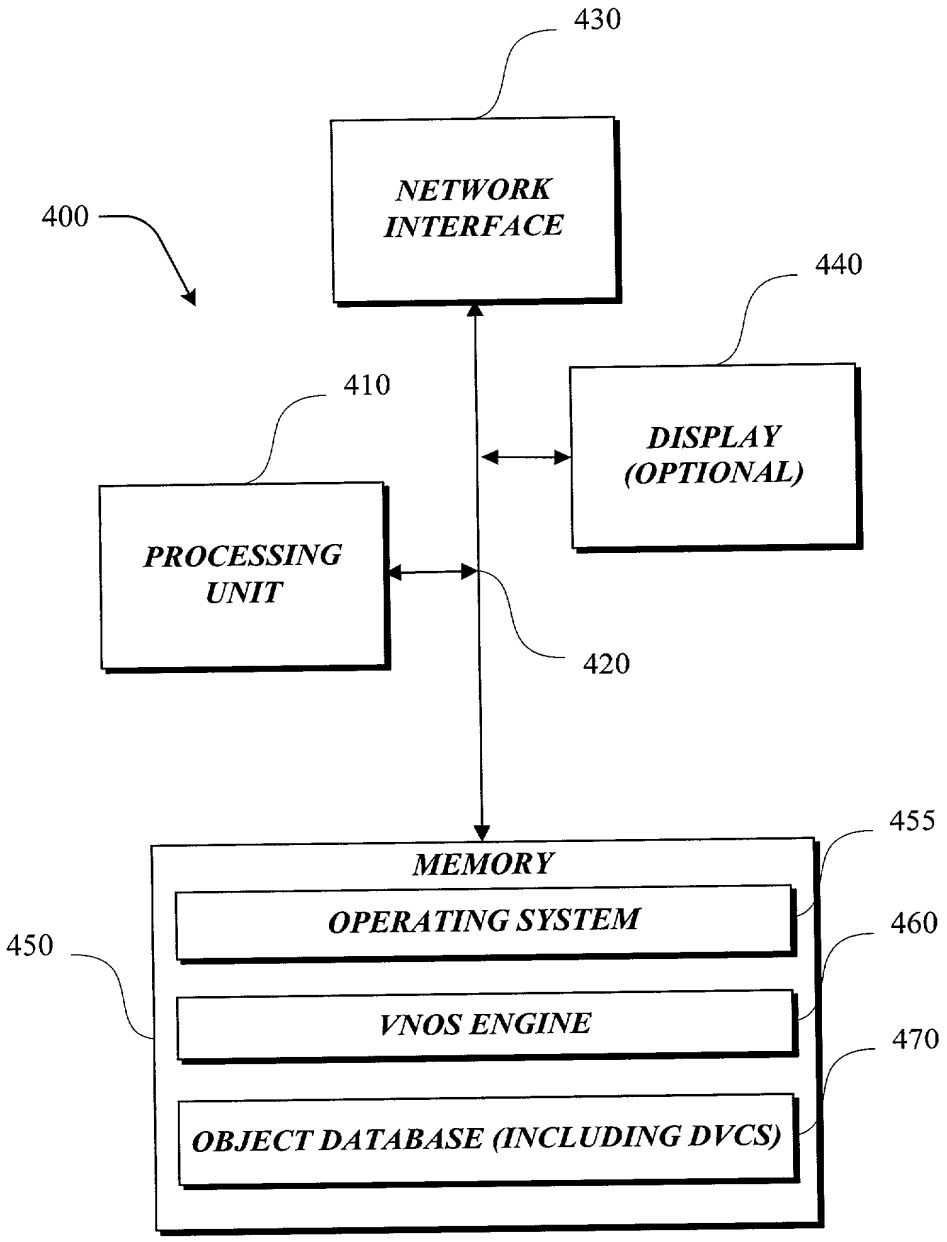
430
NETWORK INTERFACE
400
440
DISPLAY (OPTIONAL)
410
PROCESSING UNIT
420
455
MEMORY
OPERATING SYSTEM
460
450
VNOS ENGINE
470
OBJECT DATABASE (INCLUDING DVCS)

Fig.4.

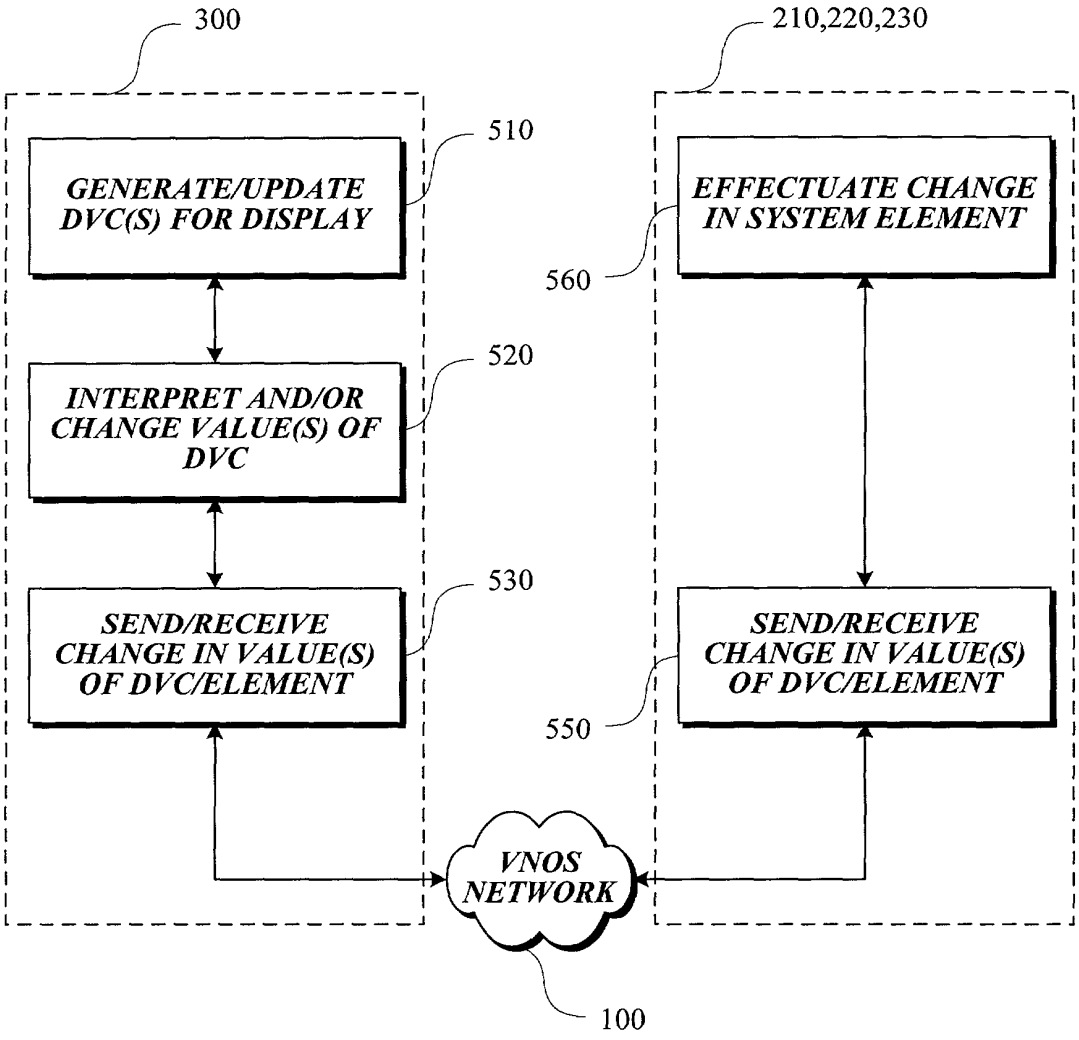
300
210,220,230
510
GENERATE/UPDATE DVC(S) FOR DISPLAY
520
INTERPRET AND/OR CHANGE VALUE(S) OF DVC
530
SEND/RECEIVE CHANGE IN VALUE(S) OF DVC/ELEMENT
560
EFFECTUATE CHANGE IN SYSTEM ELEMENT
550
SEND/RECEIVE CHANGE IN VALUE(S) OF DVC/ELEMENT
VNOS NETWORK
100

Fig. 5.

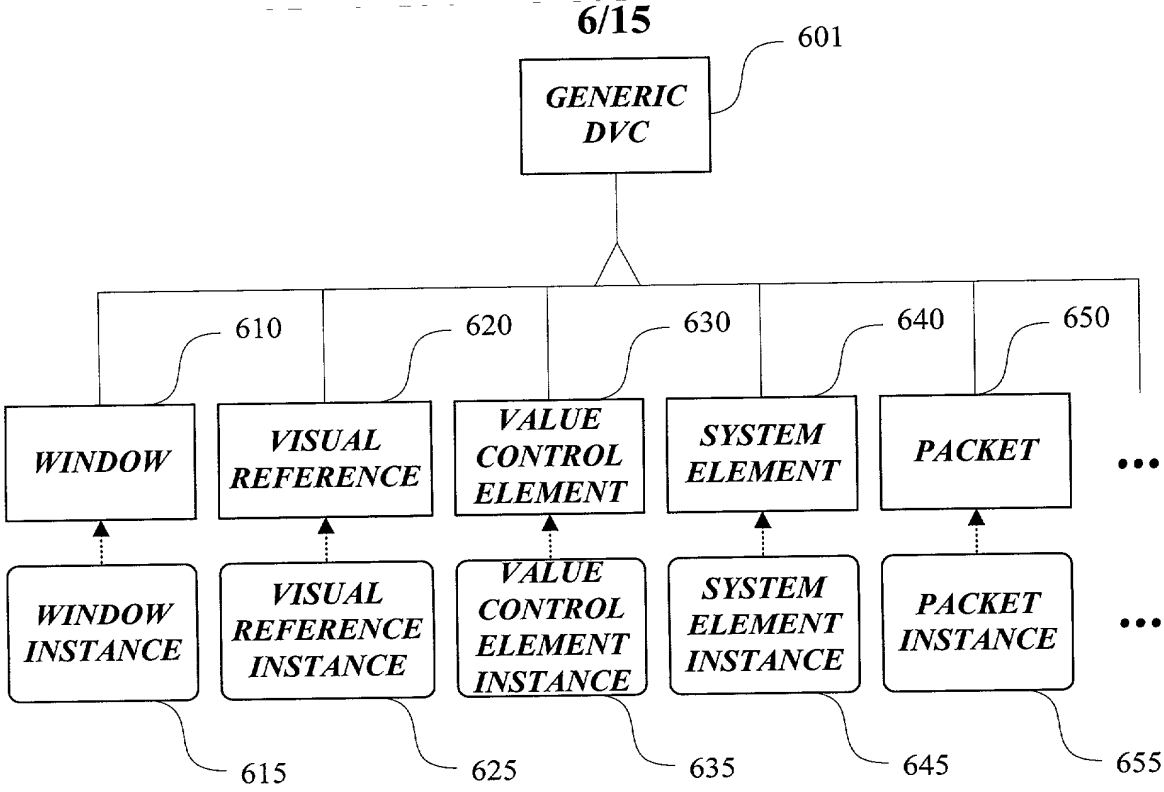
GENERIC DVC
601
610
620
630
640
650
WINDOW
VISUAL REFERENCE
VALUE CONTROL ELEMENT
SYSTEM ELEMENT
PACKET
WINDOW INSTANCE
VISUAL REFERENCE INSTANCE
VALUE CONTROL ELEMENT INSTANCE
SYSTEM ELEMENT INSTANCE
PACKET INSTANCE
615
625
635
645
655

Fig.6A.

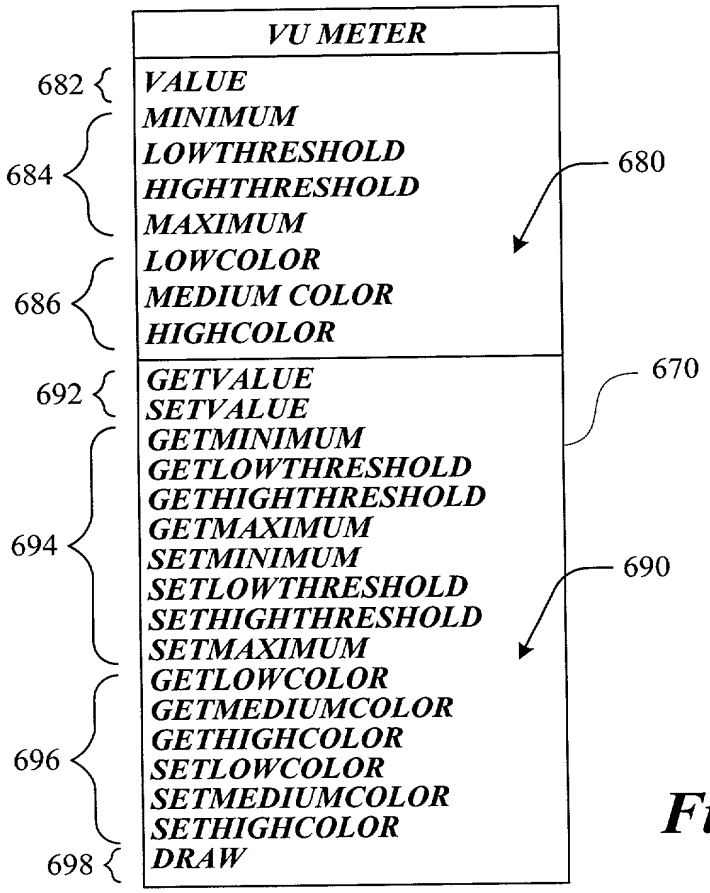
VU METER
682
VALUE
684
MINIMUM
LOWTHRESHOLD
HIGHTHRESHOLD
MAXIMUM
686
LOWCOLOR
MEDIUM COLOR
HIGHCOLOR
680
692
GETVALUE
SETVALUE
670
694
GETMINIMUM
GETLOWTHRESHOLD
GETHIGHTHRESHOLD
GETMAXIMUM
SETMINIMUM
SETLOWTHRESHOLD
SETHIGHTHRESHOLD
SETMAXIMUM
690
696
GETLOWCOLOR
GETMEDIUMCOLOR
GETHIGHCOLOR
SETLOWCOLOR
SETMEDIUMCOLOR
SETHIGHCOLOR
698
DRAW

Fig.6B.

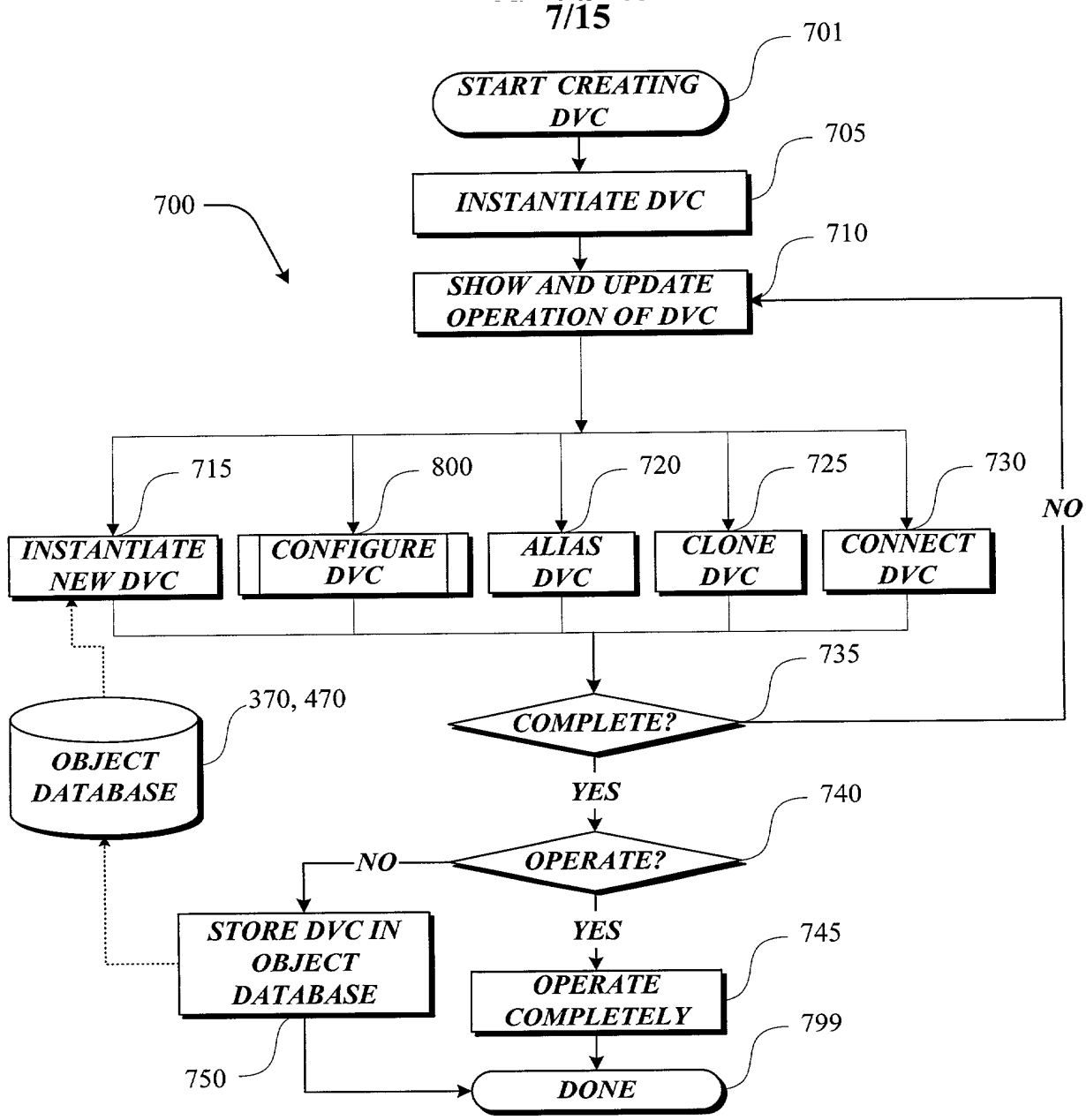
701
START CREATING DVC
705
INSTANTIATE DVC
700
710
SHOW AND UPDATE OPERATION OF DVC
715
800
720
725
730
NO
INSTANTIATE NEW DVC
CONFIGURE DVC
ALIAS DVC
CLONE DVC
CONNECT DVC
735
370, 470
OBJECT DATABASE
COMPLETE?
YES
740
NO
OPERATE?
STORE DVC IN OBJECT DATABASE
YES
745
OPERATE COMPLETELY
799
750
DONE

Fig. 7.

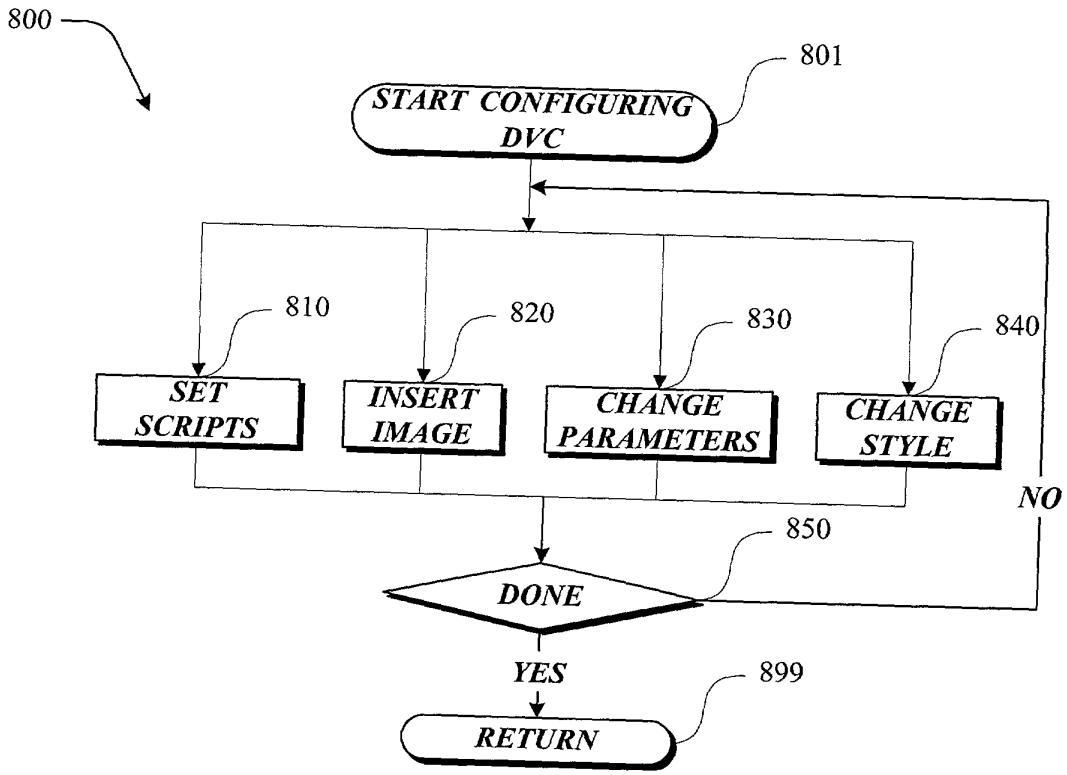
800
801
START CONFIGURING DVC
810
820
830
840
SET SCRIPTS
INSERT IMAGE
CHANGE PARAMETERS
CHANGE STYLE
NO
850
DONE
YES
899
RETURN

Fig.8.

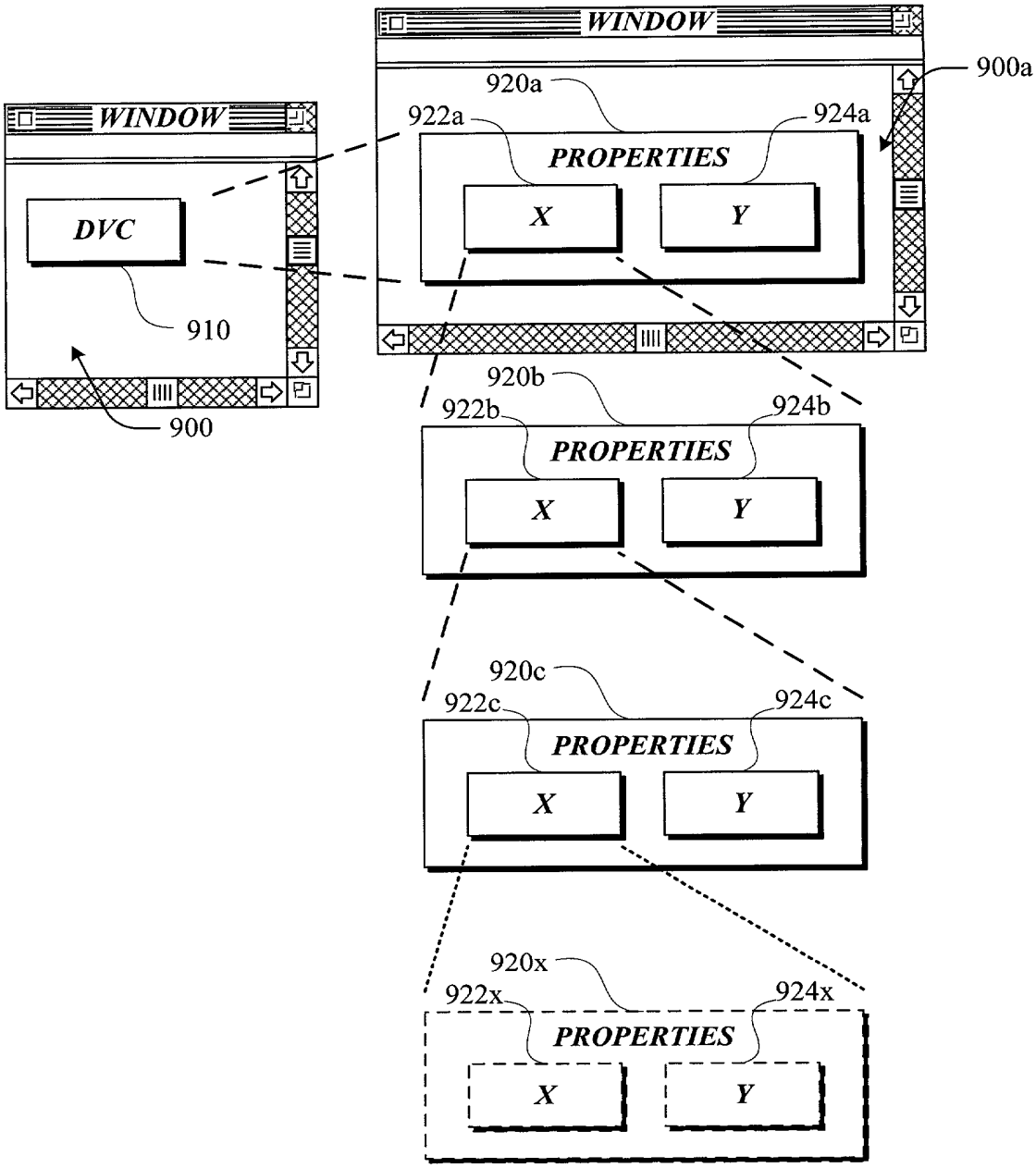
WINDOW
900a
920a
922a
924a
PROPERTIES
X
Y
WINDOW
DVC
910
900
920b
922b
924b
PROPERTIES
X
Y
920c
922c
924c
PROPERTIES
X
Y
920x
922x
924x
PROPERTIES
X
Y

Fig.9.

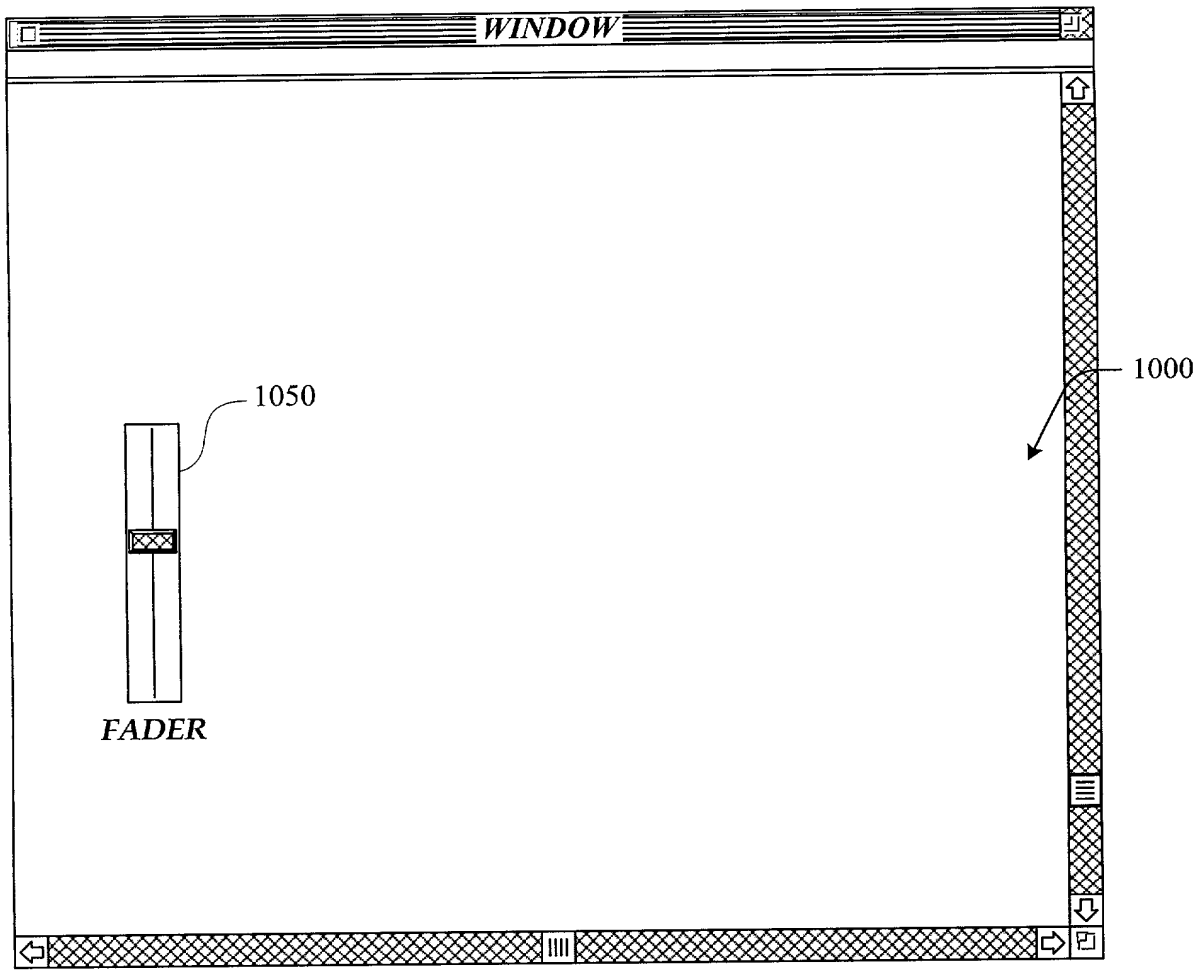

Fig.10A.

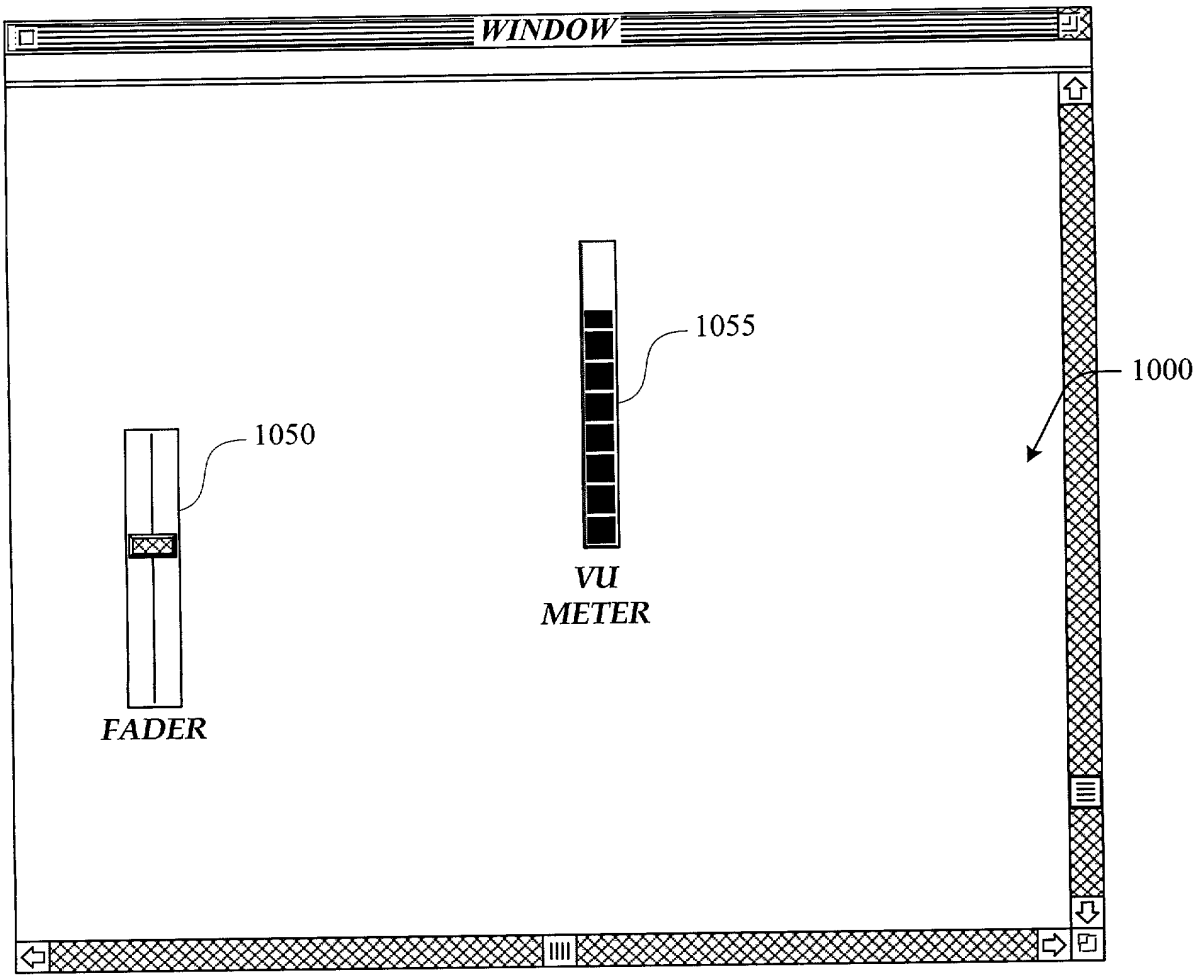

Fig.10B.

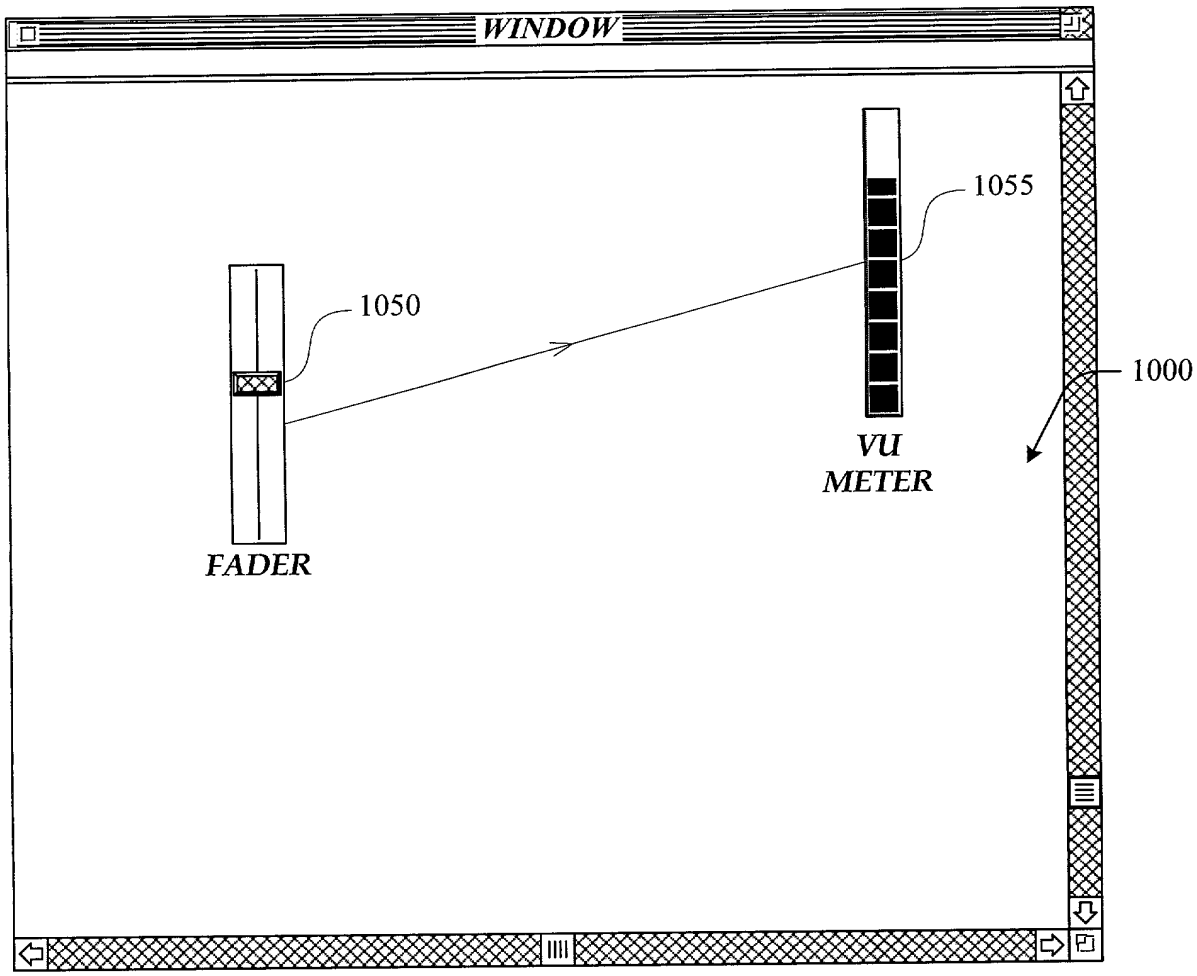

Fig.10C.

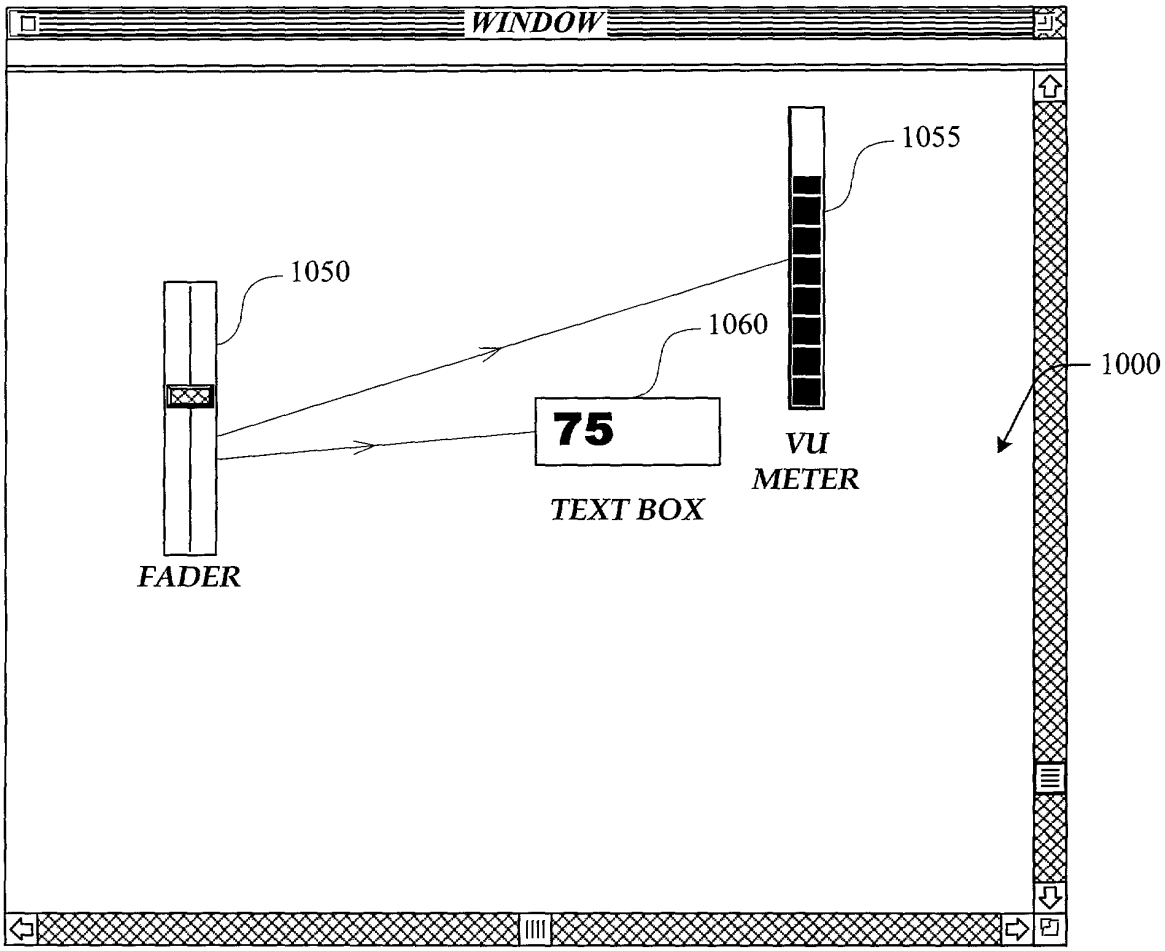

Fig.10D.

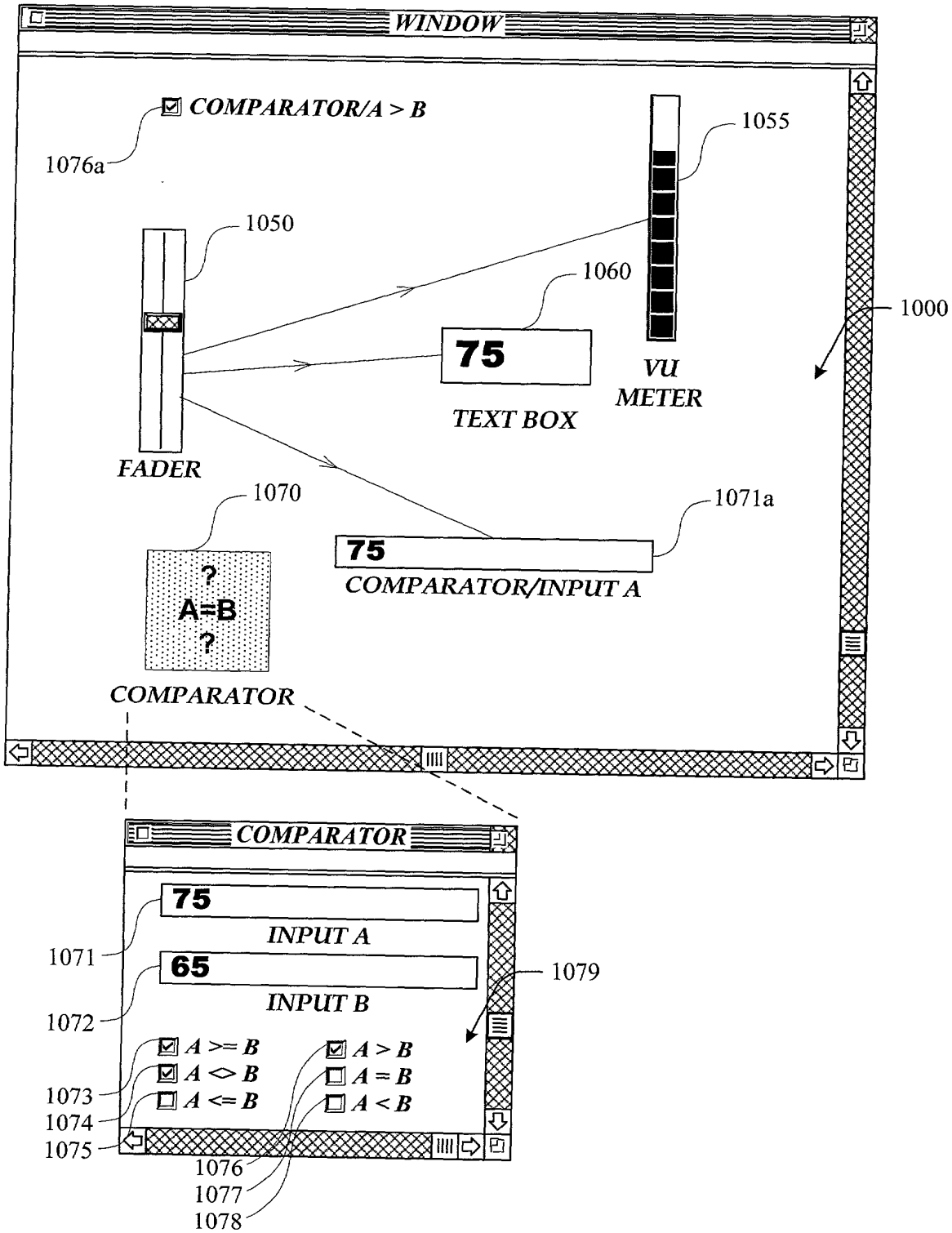
WINDOW
COMPARATOR/A > B
1076a
1055
1050
1060
1000
75
TEXT BOX
VU METER
FADER
1070
1071a
75
COMPARATOR/INPUT A
?
A=B
?
COMPARATOR
COMPARATOR
75
INPUT A
1071
65
INPUT B
1072
1079
A >= B
A <> B
A <= B
A > B
A = B
A < B
1073
1074
1075
1076
1077
1078

Fig.10E.

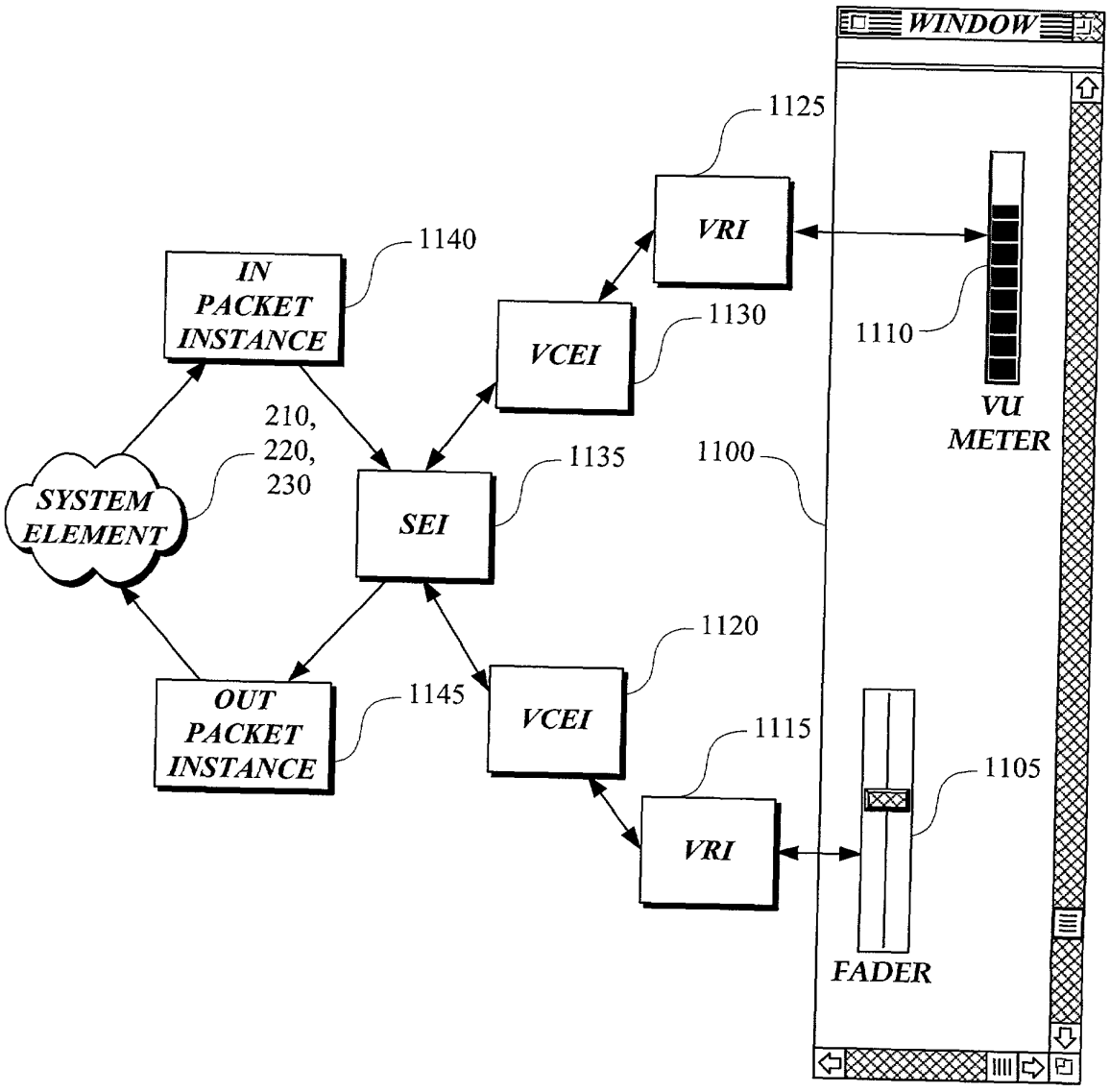
WINDOW
1125
VRI
1140
IN PACKET INSTANCE
VCEI
1130
1110
VU METER
210, 220, 230
SYSTEM ELEMENT
SEI
1135
1100
1120
OUT PACKET INSTANCE
1145
VCEI
1115
1105
VRI
FADER

Fig.11.